

# PATENT SPECIFICATION

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## PATENTS ACT, 1949

### SPECIFICATION NO 1528741

The following amendments were allowed under Section 29 on 25 September 1979:

Page 4, line 11, *after gauge second occurrence insert* located on a surface of a load-bearing member of the machine,

Page 4, *delete line 12, insert* in proportion to deformations in the said surface.

THE PATENT OFFICE  
2 November 1979

Bas 72062/6

## PATENTS ACT 1949

### SPECIFICATION NO 1528741

The following corrections were allowed under Section 76 on 25 September 1979

Page 1, line 1 (71) *after We, insert LINER LIMITED formerly*

THE PATENT OFFICE  
18 October 1979

Bas 71761/4

30 vehicle chassis, and the assembly further including a spring acting on the pivot pin to move the pivot pin axially in such a direction that, in use, cooperation of the pivot pin with said inclined surface opposes the weight of the vehicle which weight acts to move the chassis and the axle assembly towards one another about the said first axis. In an alternative embodiment of the device therein described, provision is made for the replacement of a member of the first embodiment (described above) with an electrical/hydraulic load indicating instrument. The horizontal movement of a spring for the measurement of a load will give neither the accuracy nor the sensitivity which is achieved by using the direct downward pressure of the superstructure and the load to give an indication of the turning moment.

35 An object of the present invention is to provide a load handling vehicle which is capable of safely raising a load and placing it at a distance from the vehicle without movement of the vehicle chassis relative to the ground, whilst minimizing liability of the vehicle to tip over.

According to the present invention there is provided a load carrying vehicle comprising a chassis and a superstructure with a lifting member capable of raising a load and placing it at a distance from the vehicle, characterised by the provision of a strain gauge mechanism comprising a pin, positioned